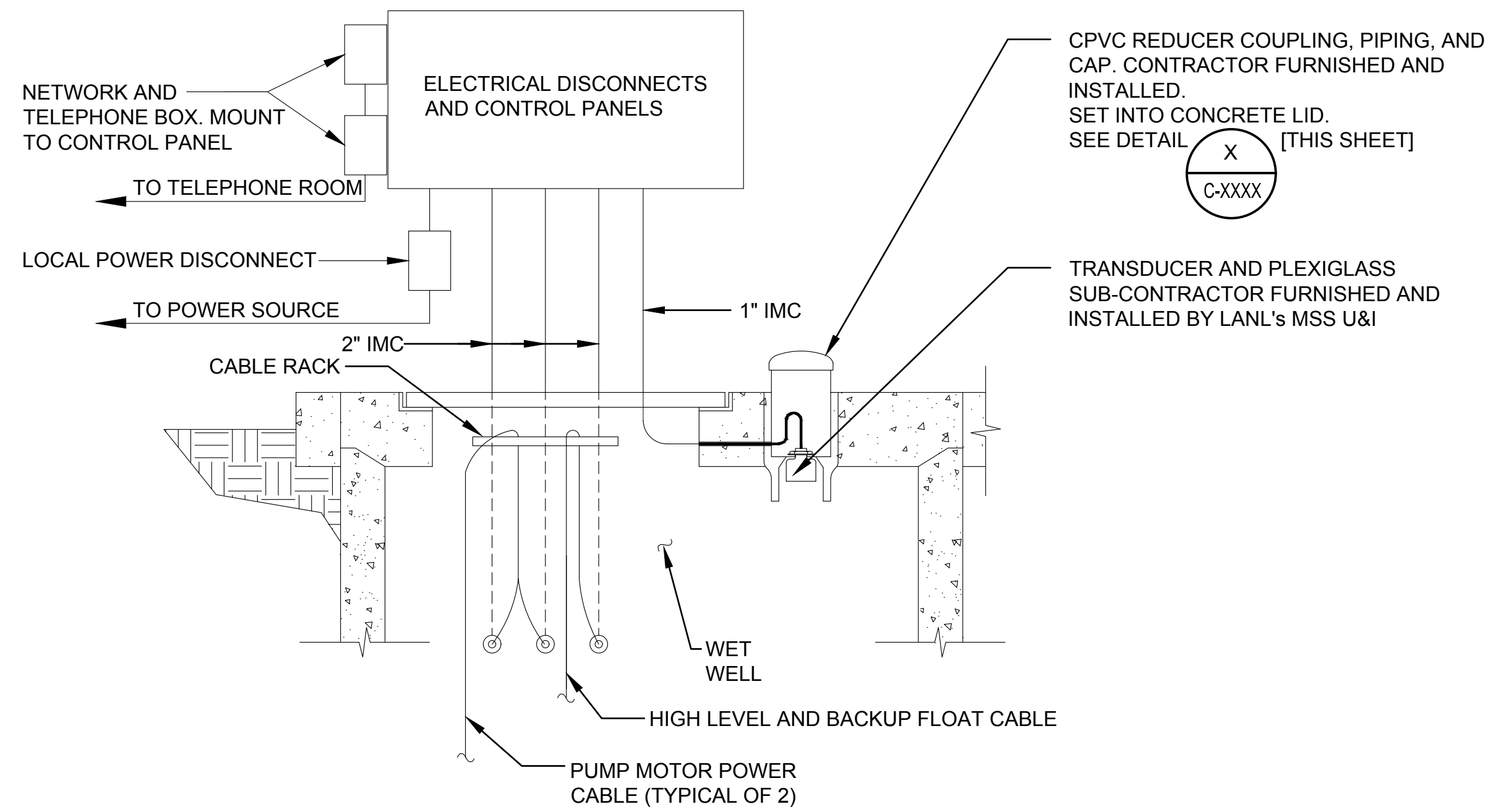
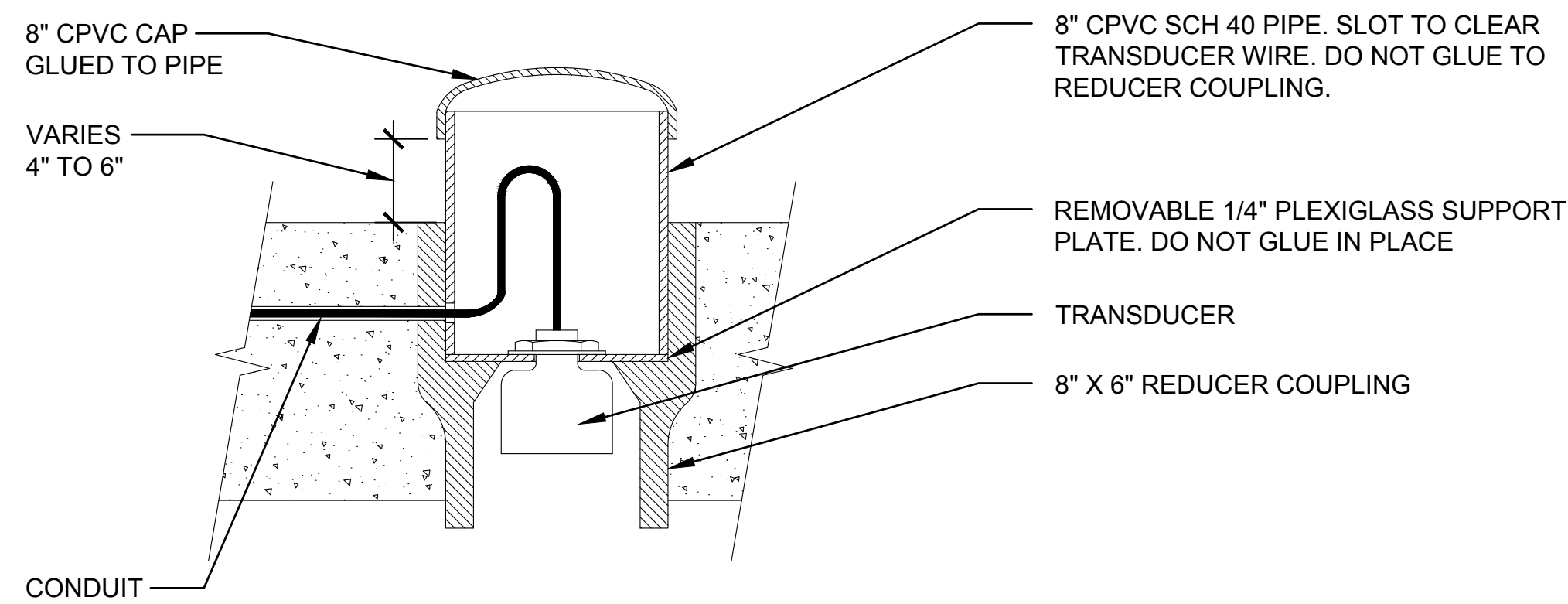


GENERAL NOTES:

- IF THIS SHEET IS NOT 24" X 36" USE GRAPHIC SCALE ACCORDINGLY



ELECTRICAL DETAIL
SCALE: NONE



TRANSUCER MOUNTING DETAIL
SCALE: NONE

NOTES FOR DESIGNER:

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

- REVIEW DETAILS AND EDIT AS NEEDED TO SUIT PROJECT REQUIREMENTS
- REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
 - MASTER SPECIFICATION 33 3200, WASTEWATER UTILITY PUMPING STATION
 - MASTER SPECIFICATION 33 0513, MANHOLES AND STRUCTURES
 - MASTER SPECIFICATION 33 3000, SANITARY SEWERAGE UTILITIES
 - CIVIL DRAWING ST-G30GEN-1, BOLLARD DETAIL
 - CIVIL DRAWING ST-G30GEN-3, TRACER WIRE DETAIL
- TRACER WIRE REQUIRED OVER ALL PLASTIC, DUCTILE IRON, OR CAST IRON PIPING
- PROVIDE BOLLARDS IF VEHICLES ARE LIKELY TO IMPACT OR ACCESS TOP OF LIFT STATION
- LOCATE LIFT STATION SO THAT IT IS EASILY ACCESSIBLE FOR MAINTENANCE BY SERVICE VEHICLE. PROVIDE APPROX. 20 FOOT BY 50 FOOT PAD AT LIFT STATION FOR VEHICLES.
- SELECT PUMPS TO OPERATE WITHIN THE CAPACITY RANGE RECOMMENDED BY THE MANUFACTURER
- IT IS PREFERRED TO SELECT A PUMP THAT HAS A STEEP SLOPING CURVE
- LOCATE LIFT STATION ON SOUTH SIDE OF BUILDING (IF POSSIBLE)
- LOCATION OF ELECTRICAL CONTROL PANEL AND CONCRETE PAD SHALL BE DETERMINED BY FIELD CONDITIONS. COORDINATE LOCATION WITH THE LANL U&I GROUP WASTEWATER SYSTEM REPRESENTATIVE.
- GROUND ELECTRIC AND CONTROL PANELS AND RACK WITH GROUND BAR AND COUNTER POISE.
- TELEPHONE/COMMUNICATION CONDUIT TO BE MINIMUM 1 1/2 INCH SIZE WITH WOVEN POLYESTER PULL TAPE.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE)

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
6	09/01/2016	UNCLASS	EJS	ADMIN CHANGES TO NEW FORMAT CAD STD REV#5. MINOR DESIGN CHANGES	EJS	MS	MS	CJRR	TO
5	10/01/2007	U	DY	REV PVC TO CPVC & ADDED NOTE 2C "MASTER SPECIFICATION 33 3000"	RP	MS	MS	MS	TO
4	01/27/2005	U	DY	REVISED TITLEBLOCK REVISION DATA AND ADTS - ENGINEERING LOGG.	RP	EH	RT	EH	TO
3	08/16/2004	U		REVISED TITLE	RP	EH	MS	EH	TO
2	08/26/2003	U		REVISED NOTE 2 AND ADDED TRANSUCER DETAIL. DWG NO. WAS ST3710	RP	EH	MS	EH	TO
1	06/05/2002	U		DRAWING REVISED AND TRANSFERRED TO CIVIL CHAPTER. DWG No. WAS ST6010, CHAPTER 6.	RP	EH	MT	EH	TO

ENGINEERING STANDARDS

CIVIL

LIFT STATION ELECTRICAL DETAIL

DRAWN	R. PEARSON
DESIGN	E. HOTH
CHECKED	M. TRUJILLO
DATE	6-28-99

TA- XX BLDG XXXX

SUBMITTED DISCIPLINE POC: GURINDER GREWAL APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

SHEET **4**

4 OF **4**

D.C.: U REVIEWER: TOBIN ORUCH DATE:

PROJECT ID DRAWING NO: **CHAPTER 3 ST-G3020-2.4** REV **6**

00% REVIEW NOT FOR CONSTRUCTION

D
C
B
A